

## **SUPPORT OF TTY SYSTEMS IN VOICE OVER DATA NETWORKS**

### **ABSTRACT**

A network device for transmitting TTY data across a data network has a PSTN  
5 port for receiving PSTN signals and a demodulator for demodulating the PSTN signals  
into digital data. A processor detects a suspected start bit for TTY data and buffers voice  
packets while it parses the following data. If the start bit is valid, the buffered data is  
discarded and the processor packetizes and transmits the TTY data through a data port.

A network device for receiving TTY data extracts TTY data from an incoming  
10 data packet stream. The TTY data is then remodulated into PSTN signals and transmitted  
to the PSTN via a PSTN port.